

# Converting Colors

XYZ(12.5923, 11.6663, 1.8466)

Have a look what the booklet for  
XYZ(12.5923, 11.6663, 1.8466)  
contains.

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# Color

**XYZ(12.5923, 11.6663,  
1.8466)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	815809
RGB	129, 88, 9
RGB Percent	51%, 35%, 4%
CMY	0.4941, 0.6549, 0.9647
CMYK	0.00, 0.32, 0.93, 0.49
HSL	40°, 87%, 27%
HSV	40°, 93%, 51%
XYZ	12.5923, 11.6663, 1.8466
YIQ	91.2530, 49.7950, -15.8770

# Conversions

## Conversions Part 2

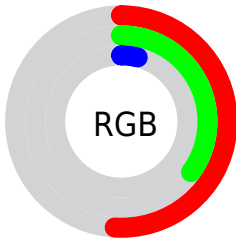
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 129, 9
Decimal	8476681
CIE <sub>Lab</sub>	40.68, 10.58, 46.34
CIE <sub>LCh</sub>	41, 47.533, 77.139
Yxy	11.6663, 0.4824, 0.4469
Android (android.graphics.Color)	4286666761 (0xFF815809)
YUV	91.2530, -40.5507, 33.1041
Hunter-Lab	34.1560, 6.0348, 20.7037

# Details

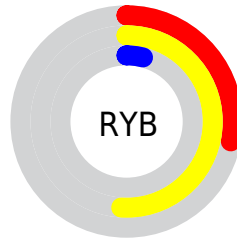
The XYZ color **12.5923, 11.6663, 1.8466** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2158, 3.9243, 21.2513**, and the grayscale version is **10.0836, 10.6087, 11.5529**.

A 20% lighter version of the original color is **30.2354, 28.9749, 8.7018**, and **3.7655, 3.2236, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **12.2960, 11.1526, 1.5046**, and if you desaturate by 10%, it is **13.0599, 12.4503, 2.4691**.

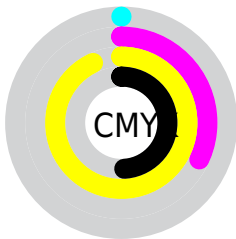
# Distribution



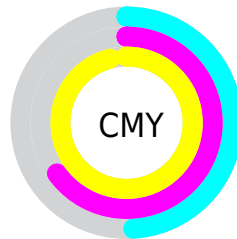
- Red (51%)
- Green (35%)
- Blue (4%)



- Red (28%)
- Yellow (51%)
- Blue (4%)



- Cyan (0%)
- Magenta (32%)
- Yellow (93%)
- Black (49%)




- Cyan (49%)
- Magenta (65%)
- Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5923, 11.6663, 1.8466 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.5923, 11.6663, 1.8466 by changing the saturation by 10% instead.




 12.5923, 11.6663,  
1.8466


 12.5923, 11.6663,  
1.8466


 201.9788,  
202.1834, 119.9474


 7.2235, 6.5169,  
0.4584


 30.1770, 28.8859,  
8.6170


 3.6498, 3.1618,  
0.0000

 43.1235, 41.7248,  
14.9196


 1.5060, 1.2168,  
0.0000

 59.3266, 57.8957,  
23.7253

 0.3299, 0.0754,  
0.0000

 79.1517, 77.7829,  
35.4525


 0.0000, 0.0000,  
0.0000


 102.9641,  
101.7710, 50.5197


 131.1292,


130.2441, 69.3456


 164.0123,  
163.5868, 92.3487


 12.5923, 11.6663,  
1.8466


 12.5923, 11.6663,  
1.8466


 12.2960, 11.1526,  
1.5046

 13.0599, 12.4503,  
2.4691

 13.6116, 13.3031,  
3.4253

 14.2562, 14.2293,  
4.7596

 15.0011, 15.2323,  
6.5087

 15.8528, 16.3153,  
8.7051

■ 16.8171, 17.4813,  
11.3777

■ 17.8994, 18.7328,  
14.5533

■ 19.1047, 20.0724,  
18.2564

■ 20.4376, 21.5025,  
22.5103

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.0992, 11.6663, 3.3843



12.5923, 11.6663, 1.8466



9.2884, 11.6663, 1.9474

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.5923, 11.6663, 1.8466



5.9824, 11.6663, 18.9853



16.5413, 11.6663, 29.9422

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.5923, 11.6663, 1.8466



5.2158, 3.9243, 21.2513

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.1072, 11.6663, 39.9230



12.5923, 11.6663, 1.8466



7.2430, 11.6663, 31.7091

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.5923, 11.6663, 1.8466



5.8999, 11.6663, 9.0075



9.7094, 11.6663, 40.6964



18.6706, 11.6663, 17.2910



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.5923, 11.6663, 1.8466



7.6220, 11.6663, 2.9154



9.7094, 11.6663, 40.6964



15.4730, 11.6663, 33.9482

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.5926, 11.6669, 1.8468



30.9352, 32.2641, 22.7429



9.7485, 5.1016, 3.6032



6.8461, 7.1206, 4.6961



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.5926, 11.6669, 1.8468



21.8751, 19.6833, 2.6463



14.4551, 19.0997, 3.1833



4.5455, 4.7797, 4.6031



11.9927, 10.8819, 1.4683



0.0000, 0.0000, 0.0000



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.2158, 3.9243, 21.2513



8.5838, 5.8142, 37.8623



4.5123, 2.0135, 20.9195



4.2197, 4.4333, 5.4466



4.7478, 3.3141, 20.6394

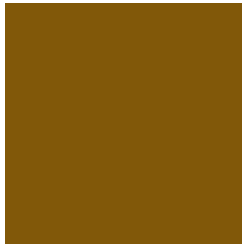


0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 12.5923, 11.6663, 1.8466 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 12.5923, 11.6663, 1.8466 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

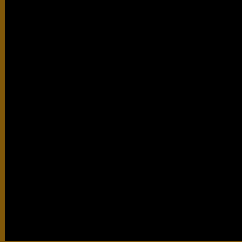
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 12.5923, 11.6663, 1.8466**

## **Background**



This preview shows how black text looks on a background with the XYZ color 12.5923, 11.6663, 1.8466.



This preview shows how white text looks on a background with the XYZ color 12.5923, 11.6663,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

12.5923, 11.6663, 1.8466

### Protanopia

10.6477, 11.8271, 2.0695

### Deuteranopia

11.7671, 11.6197, 1.6226



## Tritanopia

14.4516, 11.7257, 10.7341

# Trichromacy



## Original Color

12.5923, 11.6663, 1.8466

## Protanomaly

11.2656, 11.7426, 1.9894

## Deuteranomaly

12.1300, 11.6789, 1.7011

## Tritanomaly

13.4755, 11.5619, 5.6591

# Monochromacy



## Original Color

12.5923, 11.6663, 1.8466

## Achromatopsia

9.9438, 10.4616, 11.3927

## Achromatomaly

10.3242, 10.6525, 5.9269

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 12.5923, 11.6663, 1.8466 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 88, 9)` looks like.

```
.text, #text, p{  
    color:rgb(129, 88, 9)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 88, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 88, 9) }
```

## Border

The CSS property to change the border of an element to XYZ 12.5923, 11.6663, 1.8466 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 88, 9) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(129, 88, 9) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(129, 88, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 88, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 88, 9);  
box-shadow:4px 4px 4px 4px rgb(129, 88, 9)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 12.5923, 11.6663, 1.8466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 88, 9) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129, 88,  
9) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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